



Docket No. BIO-173-CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Yaron Keidar

Serial No. : 10/757,288

Art Unit: 3739

Filed : January 14, 2004

Examiner: Not Assigned

For : PREDICTION AND ASSESSMENT OF ABLATION OF CARDIAC  
TISSUE

I hereby certify that this correspondence is being deposited with the  
United States Postal Service as first class mail in an envelope addressed  
to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

July 27, 2005

(Date of Deposit)

Louis J. Capézzuto

(Name of applicant, assignee, or Registered Representative)

(Signature)

July 27, 2005

(Date of Signature)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1<sup>st</sup> SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This copy is supplemental to the Information Disclosure  
Statement mailed on December 7, 2004.

Pursuant to 37 C.F.R. §1.56 and in accordance with 37  
C.F.R. §§1.97-1.98, information relating to the above-  
identified application is hereby disclosed. Inclusion of  
information in this statement is not to be construed as an  
admission that this information is material as that term is  
defined in 37 C.F.R. §1.56(b).

Applicant(s) reserve(s) the right to establish the  
patentability of the claimed invention over any of the  
information provided herewith, and/or to prove that this

information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

☒ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified national application (other than a continued prosecution application under §1.53(d)), within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, no additional fee is required.

☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

- ☐ Statement in Accordance with §1.97(e) (attached); or
- ☐ Please charge Deposit Account No. 10-0750/ / the fee of \$180.00 as set forth in §1.17(p).

☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final

Action under §1.113 or a Notice of Allowance under §1.311, or an action that otherwise closes prosecution and that it is accompanied by one of:

- ☐ Statement in Accordance with §1.97(e) (attached); or
- ☐ Please charge Deposit Account No. 10-0750/ / the fee of \$180.00 as set forth in §1.17(p).

☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee. Applicant(s) hereby petition(s) for consideration of this Information Disclosure Statement. Included are: Statement in Accordance with §1.97(e) as set forth below and the fee of \$180.00 as set forth in §1.17(p).

☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:

- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

☐ Copies of only foreign patent documents and non-patent literature are enclosed in accordance with 37 CFR 1.98 (a)(2). (The U.S. patents and each U.S. patent application publication listed on the attached Form PTO-1449 are not enclosed because this U.S. patent application was filed after June 30, 2003 or this international application has entered the national stage under 35 USC §371 after June 30, 2003 (see USPTO waiver of requirement under 37 CFR 1.98 (a)(2)(i)).

☒ There are no listed references which are not in the English language.

☐ The relevance of those listed references which are not in the English language is as follows:

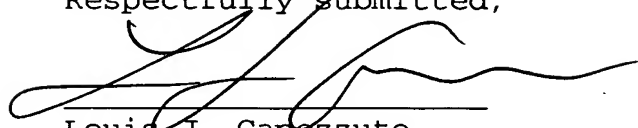
☒ Attached are copies of search report(s) from corresponding patent application(s), which are listed on the attached Submission Under MPEP 609D.

Copies of the references listed on the search reports are included except for those previously cited in an IDS mailed May 13, 2005.

☐ Attached are the following non-published pending patent applications which may be deemed relevant, which are listed on the attached Submission Under MPEP 609 D.

Please charge any deficiency or credit any overpayment to Deposit Account No. 10-0750/BIO-173-CIP/LJC. This form is submitted in triplicate.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Louis J. Capezzuto', is written over a horizontal line.

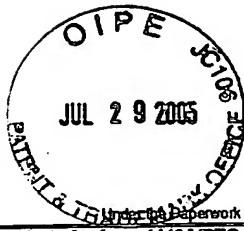
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DATED: July 27, 2005



|                               |              |
|-------------------------------|--------------|
| <i>Application Number</i>     | 10/757,288   |
| <i>Filing Date</i>            | 1/14/2004    |
| <i>First Named Inventor</i>   | Yaron Keidar |
| <i>Group Art Unit</i>         | 3739         |
| <i>Examiner Name</i>          | Not Assigned |
| <i>Attorney Docket Number</i> | BIO-173-CIP  |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|



PTO/SB/08A (08-00)  
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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

|                        |                  |
|------------------------|------------------|
| Application Number     | 10/757288        |
| Filing Date            | January 14, 2004 |
| First Named Inventor   | Y. Keidar        |
| Group Art Unit         | 3739             |
| Examiner Name          | Not Assigned     |
| Attorney Docket Number | BIO-173-CIP      |

### U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>of Cited Document | Date of Publication<br>of Cited Document<br>mm-dd-yyyy | Pages, Columns, Lines,<br>where relevant passages or<br>relevant figures appear |
|----------------------|--------------------------|----------------------|--------------------------------------|--|--|---|
|                      |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |   |
|                      |                          | 6,322,558            | B1                                   | Taylor et al.                                      | 11-27-2001   |   |
|                      |                          | 2003/0078494         | A1                                   | Panescu et al.                                     | 04-24-2003   |   |
|                      |                          | 2003/0109871         | A1                                   | Johnson et al.                                     | 06-12-2003   |   |
|                      |                          |                      |                                      |  |  |   |
|                      |                          |                      |                                      |  |  |   |
|                      |                          |                      |                                      |  |  |   |
|                      |                          |                      |                                      |  |  |   |

### FOREIGN PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. <sup>1</sup> | Foreign Patent Document |                     |                       | Name of Patentee or<br>Applicant of Cited Document | Date of Publication<br>of Cited Document<br>mm-dd-yyyy | Pages, Columns, Lines,<br>where relevant<br>passages or relevant<br>figures appear | T <sup>6</sup> |
|----------------------|--------------------------|-------------------------|---------------------|-----------------------|--|--|--|----------------|
|                      |                          | Office <sup>3</sup>     | Number <sup>4</sup> | KindCode <sup>5</sup> |  |  |  |                |
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|                      |                          |                         |                     |                       |  |  |  |                |
|                      |                          |                         |                     |                       |  |  |  |                |

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner's<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item<br>(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),<br>publisher, city and/or country where published | T <sup>2</sup> |
|-------------------------|--------------------------|--|----------------|
|                         |                          |  |                |
|                         |                          | GERMAIN D. ET AL: "MR Monitoring of Laser-Induced Lesions of the Liver in Vivo in a Low-Field Open Magnet. Temperature Mapping and Lesion Size Prediction"; JOURNAL OF MAGNETIC RESONANCE IMAGING; Jan 2001; PP. 42-49; Vol. 13; Wiley-Liss, Inc.                    |                |
|                         |                          | HONG CAO ET AL: "Using Electrical Impedance to Predict Catheter-Endocardial Contact During RF Cardiac Ablation"; IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING; March 2002; PP. 247-253; Vol. 49, No. 3; IEEE  |                |
|                         |                          |  |                |

|                       |                    |
|-----------------------|--------------------|
| Examiner<br>Signature | Date<br>Considered |
|-----------------------|--------------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

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